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JUN 13 2006

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Application No.: 10/688249  
Title: Method and Apparatus For Computer Assisted Analysis Of  
Compounds  
Applicant(s): J Barry Shackleford et al.  
Filing Date: October 16, 2003  
Examiner: Negin, Russell  
Art Unit: 1631  
Atty Docket No.: 200207603-1  
Confirmation No.: 4583

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**Response To Notice of a Not Fully Responsive Reply with a Mail Date of April 13, 2006**

Dear Sir:

In response to the Notice of a Not Fully Responsive Reply mailed on April 13, 2006 for the Restriction Requirement mailed on January 6, 2006, Applicant respectfully submits this Response. Please consider the amendments and remarks for the above identified patent application. A petition for a one month extension of time is hereby requested and a fee transmittal for the one month extension fee is included herewith.

**Amendment of the claims: 2**

**Remarks: 7**